

# Converting Colors

Yxy(88.9953, 0.3054, 0.3331)

Have a look what the booklet for  
Yxy(88.9953, 0.3054, 0.3331)  
contains.

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# Color

**Yxy(89.1453, 0.3049, 0.3330)**

# Conversions

## Conversions Part 1

Format	Color
Hex	E6F6F2
RGB	230, 246, 242
RGB Percent	90%, 96%, 95%
CMY	0.0980, 0.0353, 0.0508
CMYK	0.06, 0.00, 0.02, 0.04
HSL	165°, 47%, 93%
HSV	165°, 6%, 96%
XYZ	81.6228, 89.1453, 96.9355
YIQ	240.7600, -8.2520, -4.6360

# Conversions

## Conversions Part 2

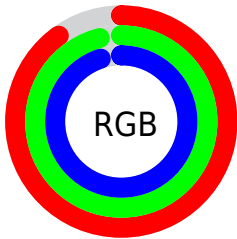
<b>Format</b>	<b>Color</b>
R <sub>Y</sub> B	230, 239, 246
Decimal	15136498
CIE Lab	95.64, -5.96, 0.09
CIE LCh	96, 5.956, 179.182
Yxy	89.1453, 0.3049, 0.3330
Android (android.graphics.Color)	4293326578 (0xFFE6F6F2)
YUV	240.7600, 0.6113, -9.4365
Hunter-Lab	94.4168, -10.9170, 5.2201

# Details

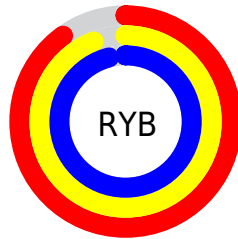
The Yxy color **89.1453, 0.3049, 0.3330** is a light color, and the websafe version is hex **FFFFFF**. A complement of this color would be **82.1333, 0.3212, 0.3250**, and the grayscale version is **87.7698, 0.3127, 0.3290**.

A 20% lighter version of the original color is **100.0000, 0.3127, 0.3290**, and **49.3708, 0.3028, 0.3342** is the 20% darker color. If you saturate the color by 10%, you get **85.0013, 0.2932, 0.3397**, and if you desaturate by 10%, it is **93.8834, 0.3170, 0.3270**.

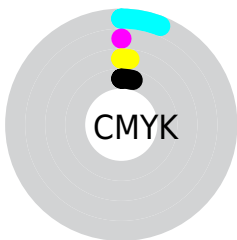
# Distribution



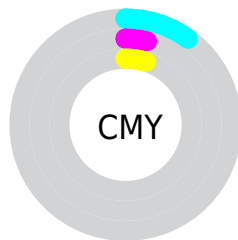
- Red (90%)
- Green (96%)
- Blue (95%)



- Red (90%)
- Yellow (94%)
- Blue (96%)



- Cyan (6%)
- Magenta (0%)
- Yellow (2%)
- Black (4%)




- Cyan (10%)
- Magenta (4%)
- Yellow (5%)


# Brightness & Saturation Gradients

These gradients show how the Yxy color 89.1453, 0.3049, 0.3330 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the Yxy color 89.1453, 0.3049, 0.3330 by changing the saturation by 10% instead.




 89.1453, 0.3049,  
0.3330

 89.1453, 0.3049,  
0.3330

525.2466, 0.3084,  
0.3312

 67.2720, 0.3041,  
0.3334


146.1506, 0.3061,  
0.3324

 49.3057, 0.3032,  
0.3339


182.0514, 0.3066,  
0.3322

 34.8620, 0.3020,  
0.3345


223.3968, 0.3070,  
0.3320

 23.5566, 0.3005,  
0.3352

270.5712, 0.3073,  
0.3318

 15.0050, 0.2986,  
0.3362

323.9589, 0.3076,  
0.3316

 8.8229, 0.2958,  
0.3376

383.9445, 0.3079,

 4.6259, 0.2918,

0.3315

450.9123, 0.3082,  
0.3313

0.3397

■ 2.0295, 0.2852,  
0.3430

■ 0.6245, 0.2566,  
0.3575

■ 89.1453, 0.3049,  
0.3330

■ 89.1453, 0.3049,  
0.3330

■ 85.0013, 0.2932,  
0.3397

■ 93.8834, 0.3170,  
0.3270

■ 81.4161, 0.2823,  
0.3470

■ 94.3417, 0.3136,  
0.3211

■ 78.3676, 0.2723,  
0.3550

■ 94.3908, 0.3131,  
0.3204

■ 75.8282, 0.2637,  
0.3634

■ 73.7676, 0.2566,  
0.3723

■ 72.1521, 0.2514,  
0.3815

■ 70.9439, 0.2481,  
0.3908

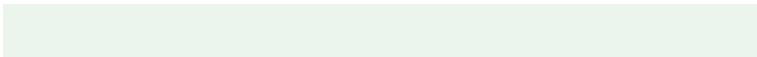
■ 70.0985, 0.2468,  
0.4001

■ 69.5601, 0.2475,  
0.4094

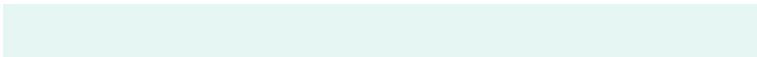
# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



89.1453, 0.3111, 0.3380



89.1453, 0.3049, 0.3330



89.1453, 0.3008, 0.3269

# Triad

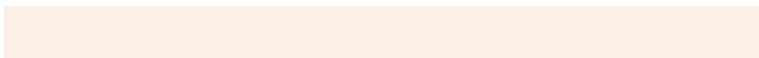
The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



89.1453, 0.3049, 0.3330



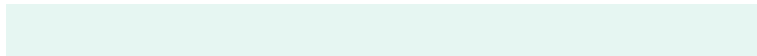
89.1453, 0.3075, 0.3177



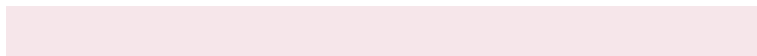
89.1453, 0.3258, 0.3364

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



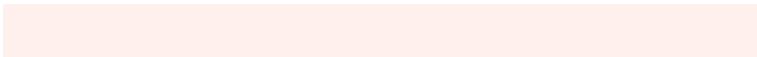
89.1453, 0.3049, 0.3330



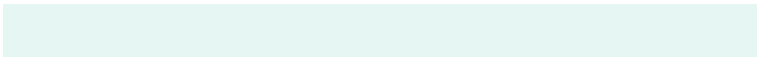
82.1333, 0.3212, 0.3250

# Split Complementary

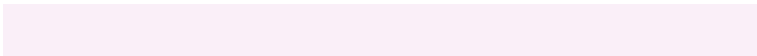
Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



89.1453, 0.3248, 0.3309



89.1453, 0.3049, 0.3330



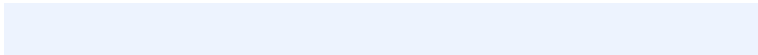
89.1453, 0.3142, 0.3203

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



89.1453, 0.3049, 0.3330



89.1453, 0.3022, 0.3182



89.1453, 0.3206, 0.3250

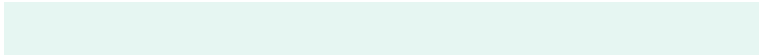


89.1453, 0.3233, 0.3399

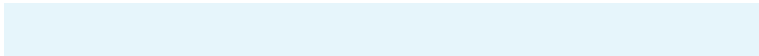


# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



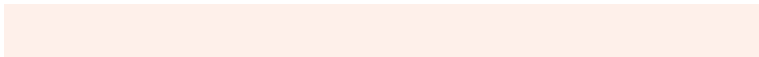
89.1453, 0.3049, 0.3330



89.1453, 0.2997, 0.3231



89.1453, 0.3206, 0.3250



89.1453, 0.3259, 0.3347

# Sweetspot

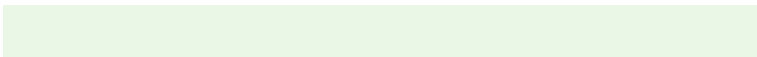
The Sweet Spot groups the original color and five complimentary colors.



89.1491, 0.3049, 0.3330



98.9643, 0.3103, 0.3302



89.1190, 0.3145, 0.3453



21.1933, 0.3104, 0.3301



0.0000, 0.0000, 0.0000



21.4041, 0.3127, 0.3290



# Same Dimension

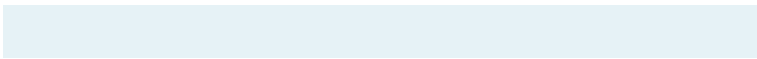
The Same Dimension uses a secret algorithm to generate beautiful new colors.



89.1491, 0.3049, 0.3330



96.0126, 0.3031, 0.3340



86.9849, 0.3027, 0.3249



18.6835, 0.3014, 0.3349



37.0742, 0.2475, 0.4111



3.2747, 0.2443, 0.3995



# Inverse Universe

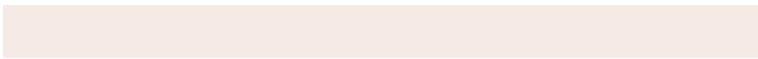
The Inverse Universe completely reimagines the original color for something new.



82.1333, 0.3212, 0.3250



86.7189, 0.3233, 0.3241



84.1581, 0.3234, 0.3331



16.5499, 0.3255, 0.3232



10.6564, 0.5938, 0.3045

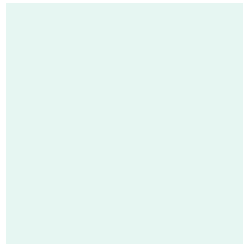


0.9523, 0.5589, 0.2852



# Previews

## White Background



This preview shows how the Yxy color 89.1453, 0.3049, 0.3330 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA × Fail

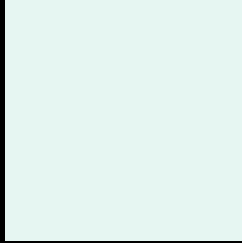
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the Yxy color 89.1453, 0.3049, 0.3330 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

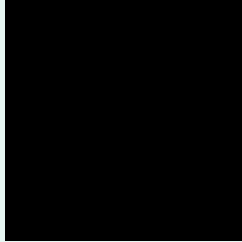
Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA ✓ Pass

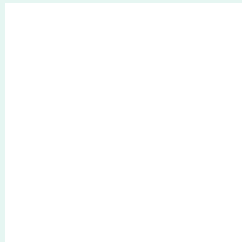
If you want to check with other color combinations, try the [Color Contrast Checker](#).

**Yxy 89.1453, 0.3049, 0.3330**

## **Background**



This preview shows how black text looks on a background with the Yxy color 89.1453, 0.3049, 0.3330.

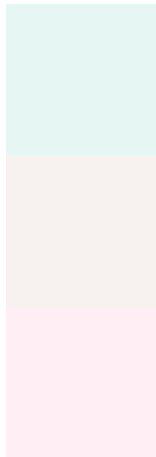


This preview shows how white text looks on a background with the Yxy color 89.1453, 0.3049, 0.3330.

# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

89.1453, 0.3049, 0.3330

### Protanopia

88.9167, 0.3179, 0.3310

### Deuteranopia

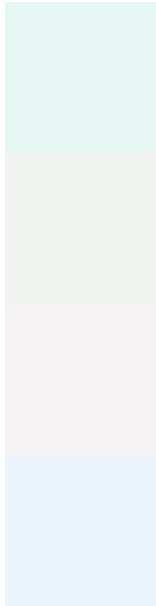
88.8801, 0.3209, 0.3242



## Tritanopia

89.3257, 0.3018, 0.3171

# Trichromacy



## Original Color

89.1453, 0.3049, 0.3330

## Protanomaly

89.0932, 0.3132, 0.3320

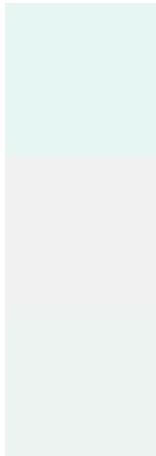
## Deuteranomaly

88.9745, 0.3148, 0.3270

## Tritanomaly

89.0959, 0.3028, 0.3230

# Monochromacy



## Original Color

89.1453, 0.3049, 0.3330

## Achromatopsia

87.9622, 0.3127, 0.3290

## Achromatomaly

88.4566, 0.3100, 0.3310

# CSS Examples

## Text

The CSS property to change the color of the text to Yxy 89.1453, 0.3049, 0.3330 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(230, 246, 242)` looks like.

```
.text, #text, p{  
    color:rgb(230, 246, 242)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(230, 246, 242) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(230, 246, 242) }
```

## Border

The CSS property to change the border of an element to Yxy 89.1453, 0.3049, 0.3330 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(230, 246, 242) }
```

If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(230, 246, 242) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(230, 246, 242)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px  
4px rgb(230, 246, 242); -webkit-box-  
shadow:4px 4px 4px 4px rgb(230, 246, 242);  
box-shadow:4px 4px 4px 4px rgb(230, 246,  
242) }
```



# Background

The CSS property to change the background color of an element to Yxy 89.1453, 0.3049, 0.3330 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(230, 246, 242) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(230,  
246, 242) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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